

Safety Inspection Procedure:

- Combatants check in at Safety desk and weigh in. Once you have an official weight recorded you can sign up for inspection. Active weapons need the test cell or arena so you must tell us if you have an active weapon when you sign up.
- We have 2 inspection procedures: pit table and test cell/arena.

Pit Table Procedure:

- Inspector calls Safety Desk to get the next pit number to inspect.
- Inspector inspects robot.
- Static Inspection. Pneumatic/hydraulic/ICE/Flame will need the cover(s) off so the inspector can see the relevant parts.
 - bot wheels must be off ground
 - Main power switch
 - power status LED
 - guards over sharp points
 - main battery terminals adequately insulated
 - pneumatic / hydraulic parts rated for operating pressures
 - pressure gauge, shut-off and dump valves for pneumatics
 - ICE: fuel lines adequately protected and secured
 - ICE: fuel tank adequately protected and secured
 - ICE: weapon drives via clutch
 - ICE: idle-return mechanism
 - ICE: remote shut-off mechanism
 - Flame: fuel tank adequately protected and secured
 - Flame: remote igniter shut-off mechanism
- Active Inspection
 - If bot has active weapons, bot must line up for the test cell or arena, and the inspection happens there.
 - Inspector checks out frequency clip for bot
 - Combatant powers up bot
 - drive forward, back, left right (on blocks).

- demonstrate fail safes
 - If the bot has a gyro, demonstrate ability to disable gyro to prevent "Death Spin" when inverted.
- power off
- Inspector returns frequency clip.
- Inspector passes or fails bot, calls Safety Desk with P/F status

Test Cell/Arena Procedure:

- If a bot has an active weapon, the inspector will complete the static inspection and instruct the combatant to take the bot to the arena
- Test Box inspector checks out frequency clip for bot
- Combatant loads bot into box, powers up, leaves box.
- Inspector closes box
- Drive forward, back, left right
- fire or activate weapon
- demonstrate fail-safes
- ICE: demonstrate idle return and shut-off
- Flame: demonstrate igniter cut-off
- Inspector opens box
- Combatant enters, powers bot off, depressurizes weapons (pneumatics or hydraulics) unloads bot from box
- inspector returns frequency clip
- Inspector passes or fails bot, calls Safety Desk with P/F status